

Db 2006 AAGATATGACTCCAAAATTTGACACTTGTGAATGGCTAGAGATCTTTGGACGGAGATGAGA 2065
Qy 6009 ccca---tgtaagcagctcttaaggggtaccattggcagacatgctccagatcctct 6065
Db 2066 CGGAAGCTGACGACGAGGAGGCTGTCGGAACCTATGCTTACATCTCTCCAAATATGCGA 2125
Qy 6066 cgaactggaagatcaccagagccgactgtcttggtaatgagataatgctcctagagc 6125
Db 2126 TGAACGGACACTTCTCAATGAAAGTCAGATGTCTTCACTTTTGGGGCTCTGCTTGA 2185
Qy 6126 tcaatctgagacagag 6142
Db 2186 TTATAGTGGCAAGAG 2202

RESULT 6
US-08-265-628-1
; Sequence 1, Application US/08265628
; Patent No. 5821094
; GENERAL INFORMATION:
; APPLICANT: Rothstein, Steven J.
; APPLICANT: Goring, Daphne
; TITLE OF INVENTION: S-LOCUS RECEPTOR KINASE GENE IN A
; TITLE OF INVENTION: SELF-INCOMPATIBLE BRASSICA NAPUS LINE
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McAndrews, Held & Malloy, Ltd.
; STREET: 500 W. Madison St. Suite 3400
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60661
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/265,628
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/959,945
; FILING DATE:
; APPLICATION NUMBER: US 07/847,564
; FILING DATE: 03-MAR-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Pochopien Ph.D., Donald J.
; REGISTRATION NUMBER: 32,167
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-707-8889
; TELEFAX: 312-707-9155
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2749 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Brassica napus
; STRAIN: olerifera
; INDIVIDUAL ISOLATE: W1
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: S-locus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..2574
; PUBLICATION INFORMATION:
; AUTHORS: GORING, DAPHNE

; AUTHORS: ROTHSTEIN, STEVEN J.
; TITLE: THE S-LOCUS RECEPTOR KINASE GENE IN A
; TITLE: SELF-INCOMPATIBLE BRASSICA NAPUS LINE ENCODES A
; TITLE: FUNCTIONAL SERINE/THREONINE KINASE
; RELEVANT RESIDUES IN SEQ ID NO: 1: FROM 1 TO 2749
; US-08-265-628-1

Query Match 0.9%; Score 60.6; DB 1; Length 2749;
Best Local Similarity 52.9%; Pred. No. 0.00011;
Matches 154; Conservative 0; Mismatches 134; Indels 3; Gaps 1;

Qy 5047 taglaccatcccttggaagagtgatgttgtaagtgatgaagagccttgatgag 5106
Db 1593 TTGTACAAACTGCGACAMAGGTGTTCCGTATGTTTACAGAGGATGATCTTGATGCG 1652
Qy 5107 ctcaattgtagcagtttaaaaggcttaaaagcaaacacacagtgtagcagtc 5166
Db 1653 GCAAGAAATGCGGTAAAGGCTATCAAAACGCTGTTCAAGGACATGCT---GAGTT 1709
Qy 5167 tcaaacagaagtggaatgattagatgagctgtgcatcgaatctctgctcagtg 5226
Db 1710 TATGAATGAGCTGAGATTGATCGCGAGCTTCAGCATATAAACCTGTTCGAATCTTGG 1769
Qy 5227 ttctcagatcacaccacagagcgctcttgatatacatcatalggtcaatggaagtg 5286
Db 1770 CTGTTCATTTGAGCGACAGACGAGATGCTGATATGAGTATTTAAGAAATTTAAGCCT 1829
Qy 5287 tgcgtcatgtttaagagatctcagttacaatlacataactcagagaa 5337
Db 1830 CGATTCTTATCTCTTCGAAATTAACGAAAGCTCTAGCTTAATTTGAACGA 1880

RESULT 7
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:


```

; ADDRESSEE: Michael L. Goldman
; STREET: Clinton Square, P.O. Box 1051
; CITY: Rochester
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 14603
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/447,185
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/111,078
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldman Mr., Michael L.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (716)263-1000
; TELEFAX: (716)-263-1600
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2443 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; US-08-447-185-3

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Query Match          0.8%; Score 53.8; DB 1; Length 2443;
Best Local Similarity 53.9%; Pred. No. 0.0036;
Matches 159; Conservative 0; Mismatches 127; Indels 9; Gaps 2;

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QY 5010 ttctctcgagaaattcgcaagtcgaagatcttctgaacac-----tccctggaa 5063
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DB 149 TTCTCTTAGTAGATTGGAGGAGCACTAATATTGTCACACAGTTTAAATTGGAC 208
QY 5064 gaagtggaatttgtaagtgatataaggaagccttgcgtgagtcacattgtgacagta 5123
    || || || || || || || || || || || || || || || || || || || || ||
DB 209 ATGCTGCTTTGGGAAGGTTTACAAAGGCTTTGGCGTGAAGGACAAAGGTGGCCCTGA 268
QY 5124 aaaggtctaaagaagacgcaaccagtgagcagtcgacgttccaacgaagtgagaa 5183
    || || || || || || || || || || || || || || || || || || || || ||
DB 269 AAAGGCGTACACTGAGTCTCTCAACAGGTATTTGAAG--AGTTGCAAAACAGAAATTGAGA 325
QY 5184 tgattagcatgctgtgcatcgaatctctgcgtcagtggttctgcatgacaccta 5243
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DB 326 CTCCTCATTTTGGACGACATCCGATCTGTTTCATTGATGAGATCTGTGATGAAAGAA 385
QY 5244 ccgagcgagctctgtatataccatcacatgagtcgaagtgctgcatgttt 5298
    || | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 386 ATGAGATGATTCTAATTATTAATACATGGAATGGAGACCTCAAGAGACATTT 440

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RESULT 12
PCT-US93-06251-77
; Sequence 77, Application PC/TUS9306251
; GENERAL INFORMATION:
; APPLICANT: Wickstrom, Eric and Rife, Jason P.
; TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing
; TITLE OF INVENTION: Stereospecific Alkylphosphonates and Arylphosphonates
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
; STREET: 400 Garden City Plaza
; CITY: Garden City
; STATE: NY
; COUNTRY: USA
; ZIP: 11530

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06251
; FILING DATE: 19930630
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Digilio, Frank S.
; REGISTRATION NUMBER: 31,346
; REFERENCE/DOCKET NUMBER: 8586
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 516-742-4343
; TELEFAX: 516-742-4366
; TELEX: 230 901 SANS UR
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2647 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; PCT-US93-06251-77

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Query Match          0.8%; Score 50.8; DB 4; Length 2647;
Best Local Similarity 51.3%; Pred. No. 0.018;
Matches 118; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

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DB 1732 AATTATATCCATAGAGATGCGATGAGCAACATTCTAGTGGGAATGGACTATATGC 1791
QY 5963 gtgtgagtgatttggttgatagtcagtcacatgattacaagaatcacatgttcagct 6022
    || || || || || || || || || || || || || || || || || || || || ||
DB 1792 AAGATTGCGACTGCTGGATTGGCCGATTTGATGAGAACAAATGATACACAGCAAGACAA 1851
QY 6023 gctgtgaagggtgacaaatttggtgacacatagctcccgagtaaccttgcactggaagtcalca 6082
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DB 1852 GGTGCAAACTTCCCATCAATGAGGAGCGCCCGGAGGAGCCCTGTACGGGAGTTCCACA 1911
QY 6083 gagaagaccagatgcttggttgataggaataagctccctagaagctcatcac 6132
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DB 1912 ATCAAGTCGACGATGTGCTTTTGGAATCTTACTACAGAGCTGTGCAC 1961

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RESULT 13
US-07-928-464-1
; Sequence 1, Application US/07928464
; Patent No. 5367065
; GENERAL INFORMATION:
; APPLICANT: Ecker, Joseph R.
; APPLICANT: Kiebert, Joseph J.
; TITLE OF INVENTION: Constitutive Triple Response Gene and
; TITLE OF INVENTION: Mutations
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz and
; ADDRESSEE: No. 5367065r1s
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/928,464

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RESULT 15
US-08-003-311B-1
Sequence 1, Application US/08003311B
Patent No. 544416
GENERAL INFORMATION:
APPLICANT: Eckert, Joseph R.
APPLICANT: Kiebert, Joseph J.
TITLE OF INVENTION: Constitutive Triple Response Gene
TITLE OF INVENTION: and Mutations
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz and
ADDRESSEE: No. 544416Paris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: U.S.A.
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/003.311B
FILING DATE: January 12, 1993
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/928,464
FILING DATE: August 10, 1992


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: ATTORNEY/AGENT INFORMATION:
: NAME: Lori Y. Beardsell
: REGISTRATION NUMBER: 34,293
: REFERENCE/DOCKET NUMBER: UPN-1108
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 215-568-3100
: TELEFAX: 215-568-3439
: INFORMATION FOR SRO ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3033 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 118..2583
: US-08-003-311B-1

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Query Match          0.84; Score 50.8; DB 1; Length 3033;
Best Local Similarity 52.88; Pred. No. 0.018;
Matches 134; Conservative 0; Mismatches 117; Indels 3; Gaps 1;

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QY 5879 aaattgcatgacatgtgtatccccaagattatccatcgcatgtaaaagctgcgaatata 5938
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DB 2104 AATTATCTTCACATCGCAATCTCCAAATTGTGATGAGATCTAAATCTCCAAACTTA 2163
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QY 5939 ttattgacgaagaatttgaggctgtgtagtgatttgggttagctaggtcattgat 5998
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2164 TTGGTTGACAAAATAATATACAGTCAGGTTTGTGATTTGTGTCCTCGCATTTGAAGGCC 2223
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 5999 taccaagatacccatglttagactgctgttaagggtacacattgggcacatagctcccgag 6058
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2224 AGCAAGTTT--CTTCTCTGAGTCAGACGCTGGAACCCCGAGTGATGCGACCGAGAA 2280
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QY 6059 tacctctgactggaagatcagacagagaagacagatgcttcttggtttaggataatgctc 6118
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2281 GTCCTGCGAGATGAGCCGTCTAATGAAGAAAGTCAGATGTGTACAGCTTCGGGGTCATCTTG 2340
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QY 6119 ctagaagctcattac 6132
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2341 TGGGAGCTTGCTAC 2354
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Search completed: January 15, 2001, 20:41:25
 Job time: 7061 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: January 15, 2001, 20:41:25 ; Search time 236.11 Seconds
(without alignments)
1238.855 Million cell updates/sec

Title: US-09-180-798-2
Perfect score: 1815
Sequence: 1 gacaatcaccatgaatatat.....ttaaaaaaaaaaaaaaaaaa 1815

Scoring table:
IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 280836 seqs, 80580151 residues

Total number of hits satisfying chosen parameters: 561672

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NN:*
1: /cgn2_6/prodata/1/ina/5A.COMB.seq:*
2: /cgn2_6/prodata/1/ina/5A.COMB.seq:*
3: /cgn2_6/prodata/1/ina/6.COMB.seq:*
4: /cgn2_6/prodata/1/ina/PCTUS.COMB.seq:*
5: /cgn2_6/prodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	140	7.7	1554	2	US-08-587-680A-24
2	117	6.4	2571	1	US-07-717-331F-9
3	117	6.4	2833	1	US-07-717-331F-1
4	110.4	6.1	2749	1	US-08-265-628-1
5	99.6	5.5	966	1	US-08-447-185-2
6	99.6	5.5	2443	1	US-08-447-185-3
7	92	5.1	2749	1	US-07-717-331F-4
8	87.6	4.8	5733	2	US-08-473-553A-1
9	58.6	3.2	3921	2	US-08-567-375-3
10	58.6	3.2	3921	2	US-08-587-680A-3
11	58.6	3.2	5992	2	US-08-475-891A-3
12	57.2	3.2	4517	4	PCT-US93-06251-83
13	54.8	3.0	2075	1	US-08-238-163-3
14	53.8	3.0	6256	2	US-08-475-891A-1
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16	53.8	3.0	6256	2	US-08-587-680A-1
17	52.6	2.9	2880	2	US-08-666-271-4
18	52.6	2.9	3905	2	US-08-666-271-1
19	52.2	2.9	2647	4	PCT-US93-06251-77
20	51.4	2.8	2890	1	US-07-928-464-1
21	51.4	2.8	2890	4	PCT-US93-07347-1
22	51.4	2.8	3033	1	US-08-003-311B-1
23	51.4	2.8	3033	1	US-08-261-432-1
24	50.8	2.8	1804	1	US-08-306-691B-40
25	50.8	2.8	1804	4	PCT-US93-06251-82
26	49.8	2.7	1058	1	US-08-238-163-1
27	48.2	2.7	831	2	US-08-567-375-15
28	47.6	2.6	1203	1	US-08-602-010A-7

29	47.6	2.6	1203	1	US-08-680-726A-7	Sequence 7, Appl
30	47.6	2.6	1203	3	US-09-092-409-7	Sequence 7, Appl
31	47.6	2.6	5495	1	US-08-602-010A-1	Sequence 1, Appl
32	47.6	2.6	5495	1	US-08-602-010A-2	Sequence 2, Appl
33	47.6	2.6	5495	1	US-08-680-726A-1	Sequence 1, Appl
34	47.6	2.6	5495	1	US-08-680-726A-2	Sequence 2, Appl
35	47.6	2.6	5495	3	US-09-092-409-1	Sequence 1, Appl
36	47.6	2.6	5495	3	US-09-092-409-2	Sequence 2, Appl
37	47.6	2.6	10592	1	US-08-680-726A-51	Sequence 51, Appl
38	47.6	2.6	10592	1	US-08-680-726A-52	Sequence 52, Appl
39	47.6	2.6	10592	3	US-09-092-409-51	Sequence 51, Appl
40	47.6	2.6	10592	3	US-09-092-409-52	Sequence 52, Appl
41	46.2	2.5	3590	1	US-08-587-889-1	Sequence 1, Appl
42	46.2	2.5	3590	4	PCT-US96-09193-1	Sequence 1, Appl
43	46	2.5	4526	1	US-08-306-691B-22	Sequence 22, Appl
44	46	2.5	4526	4	PCT-US93-06251-27	Sequence 27, Appl
45	45.4	2.5	6343	3	US-08-581-148C-30	Sequence 30, Appl

ALIGNMENTS

RESULT 1
US-08-587-680A-24
; Sequence 24, Application US/08587680A
; Patent No. 5977434
; GENERAL INFORMATION:
; APPLICANT: Ronald, Pamela C.
; APPLICANT: Wang, Guo-Liang
; APPLICANT: Song, Wen-Yuang
; APPLICANT: Szabo, Veronique
; TITLE OR INVENTION: Procedures and Materials for Confering
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/587,680A
; FILING DATE: 17-JAN-1996
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/373,375
; FILING DATE: 17-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/475,891
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/004,645
; FILING DATE: 29-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/567,375
; FILING DATE: 04-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Bastian, Kevin L.
; REGISTRATION NUMBER: 34,774
; REFERENCE/DOCKET NUMBER: 023070-0589400S
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1554 base pairs
; TYPE: nucleic acid

Db 2066 AGGTGTCGGAACATACGCGTACATGTCGCCGGAATGCAATGATGAGATATTCGCG 2125
 Oy 1328 agaagaccgagtcgttggtgtaaggaattatgctcttaagagccatctacgagcaaga 1384
 Db 2126 AAAAATCAGATGTTTTCAGTTTGGAGCTAGTGTCTTGAATAATGTTAGTGCAAGA 2182

RESULT 3

US-07-717-331F-1
 ; Sequence 1, Application US/07717331F
 ; Patent No. 5484905
 ; GENERAL INFORMATION:
 ; APPLICANT: June Nasrallah; Michael Nasrallah; and Joshua
 ; TITLE OF INVENTION: A Receptor Protein Kinase Gene
 ; TITLE OF INVENTION: Encoded At The Self-Incompatibility Locus
 ; NUMBER OF SEQUENCES: 9
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Yahwak & Associates
 ; STREET: 25 Skytop Drive
 ; CITY: Trumbull
 ; STATE: Connecticut
 ; COUNTRY: USA
 ; ZIP: 06611
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy Disk
 ; COMPUTER: Macintosh
 ; OPERATING SYSTEM: MS-DOS
 ; SOFTWARE: Microsoft Word
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/717,331F
 ; FILING DATE: June 19th 1991
 ; CLASSIFICATION: 800
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: George M. Yahwak
 ; REGISTRATION NUMBER: 26,824
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (203)268-1951
 ; TELEFAX: (203)268-1951
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2833 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA
 ; US-07-717-331F-1

Query Match 6.48; Score 117; DB 1; Length 2833;
 Best Local Similarity 53.38; Pred. No. 1.5e-22;
 Matches 318; Conservative 0; Mismatches 270; Indels 9; Gaps 3;

Oy 791 gtaccatctggagaagaggtgattgtaagtgtataagagagcgcttcgctgatatgct 850
 Db 1592 GTAACAAACTGGAACAAGGTGTTTGTATGTTTCAAGGGAAGATTACTTGACGGGA 1651
 Oy 851 cacttgtagcagttaaaggtctaaagaagaacacacagctgctgagctgcagtttc 910
 Db 1652 AAGAATAATTCAGTAAAGGCTATCAAAAGACGTGAGTTCAAGGACGTGANG--AGTTTA 1708
 Oy 911 aaacagagggggaatgattagcatgctgtgcacgaaatctctcgtcctacgctgt 970
 Db 1709 TGAATGAGGTGACACTAATTCGAGGCTTCAGCATATTAACCTTGTTCAAGTCTTGCT 1768
 Oy 971 tctgcataaccacacagagcgcttctgtatatacatatcaatgcaatggaagtg 1030
 Db 1769 GTTGCAATTGAAGAGATGAGAAAGATGTTGATATATGAGTATTTTGAAAATTTAAGCCTTG 1828
 Oy 1031 cgtcgtgttaagaagcgctacacacacacacacacacacacacacacacacacacac 1090
 Db 1829 ATTCTTATCTCTTTG--GTAACACCGAAGGTCTAAGCTAATTTGAATGAGAGATTGCG 1885

Oy 1091 ggatgcaatagatcgtcctaaggggcttcttatttgcatgacacatgltatcccaaga 1150
 Db 1886 ACATTTACCAATAGTGTGTGTCGAGGGCTTTTATATCTTCATCAACAGACTCAGGTTTAGA 1945
 Oy 1151 ttatccatcgtatgtaaaagctgcacatataatttgacgaagaattgagcgtgtg 1210
 Db 1946 TATCCACAGAGATTTGAAAGTAAGTAACATTTTCTTGACAAAAAATATGATC-?AAGA 2005
 Oy 1211 tagtgatttggttgtagcctacagctcagatattacagaagatcccaaglt--acaactg 1267
 Db 2006 TCTCGGATTTTGGATGCGCAGCATATTTGAAAGGACGAAACGGAACGTAACACAAATGA 2065
 Oy 1268 ctgtaagggtacccttggtgctacatagctcccgagtagctctcagctggaagatcag 1327
 Db 2066 AGGTGTCGGAACATACGCGTACATGTCGCCGGAATGCAATGATGAGATATTCGCG 2125
 Oy 1328 agaagaccgagtcgttggtgtaaggaattatgctctcttaagagccatctacgagcaaga 1384
 Db 2126 AAAAATCAGATGTTTTCAGTTTGGAGCTAGTGTCTTGAATAATGTTAGTGCAAGA 2182

RESULT 4

US-08-265-628-1
 ; Sequence 1, Application US/08265628
 ; Patent No. 5821094
 ; GENERAL INFORMATION:
 ; APPLICANT: Rothstein, Steven J.
 ; APPLICANT: Goring, Daphne
 ; TITLE OF INVENTION: S-LOCUS RECEPTOR KINASE GENE IN A
 ; TITLE OF INVENTION: SELF-INCOMPATIBLE BRASSICA NAPUS LINE
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: McAndrews, Held & Malloy, Ltd.
 ; STREET: 500 W. Madison St. Suite 3400
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: USA
 ; ZIP: 60661
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/265,628
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION NUMBER:
 ; APPLICATION NUMBER: US/07/959,945
 ; FILING DATE:
 ; APPLICATION NUMBER: US 07/847,564
 ; FILING DATE: 03-MAR-1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Pochopien Ph.D., Donald J.
 ; REGISTRATION NUMBER: 32,167
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 312-707-9155
 ; TELEFAX: 312-707-8889
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2749 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; HYPOTHETICAL: NO
 ; ANTI-SENSE: NO
 ; ORIGINAL SOURCE:
 ; ORGANISM: Brassica napus
 ; STRAIN: oleifera
 ; INDIVIDUAL ISOLATE: W1
 ; POSITION IN GENOME:

CHROMOSOME/SEGMENT: S-Locus
FEATURE:
NAME/KEY: CDS
LOCATION: 1..2574
PUBLICATION INFORMATION:
AUTHORS: GORING, DAPHNE
AUTHORS: ROTHSTEIN, STEVEN J.
TITLE: THE S-LOCUS RECEPTOR KINASE GENE IN A
TITLE: SELF-INCOMPATIBLE BRASSICA NAPUS LINE ENCODES A
TITLE: FUNCTIONAL SERINE/THREONINE KINASE
RELEVANT RESIDUES IN SEQ ID NO: 1: FROM 1 TO 2749
US-08-265-628-1

Query Match 6.1%; Score 110.4; DB 1; Length 2749;
Best Local Similarity 52.5%; Pred. No. 9.5e-21;
Matches 315; Conservative 0; Mismatches 276; Indels 9; Gaps 3;

QY 789 tagtaccacacttgaaagagtgatcttgtaagtgatataaggaagcctctgctgaag 848
DB 1593 TTGTAACAACTCGACAGAGTGCTTCGGTATTGTTTACAGGCTGATTTACTGTGATCG 1652
QY 849 ctcaactgttagcagtttaaaggtctaaagaagaacacagagtggtgaagtcagtt 908
DB 1653 GCAAGAAATTGCGTAAAGGCTATCAAAACCTCGTTCAAGGGAGCTGTG--AGTT 1709
QY 909 tcaaacagaggtgaaatgattagcagtgctgcatcgaatctctcgtctgaagtg 968
DB 1710 TATGAAATGAGGTGAGATTGATCGGAGGCTTCACGATATTAACCTTGTCCGAATTCCTGG 1769
QY 969 ttctcgatgacacacacagagcgctctctgtatatacacaatgagctgaagtg 1028
DB 1770 CTGTGCAATTCAGCGACAGCAAGAGATGCTGTATGAGATTTAGAAAATTTAAACCT 1829
QY 1029 tgcgtgtgtttaaagagagcgtcagccatcaagaacctcccttgatgtgccaactgaag 1088
DB 1830 CGATTCTTATCTCTTCG--GAAATAACAGAGCTTACCTTAATTTGAAGAGACACATT 1886
QY 1089 gaggtatgacatgagatcgtctaagggcctctctatcttcatctgacatctgatacccaa 1148
DB 1887 CAACATTACCAATGCTGTGCTCGAGACCTTTTATCTTCATCAACAGCTCACAGGTTTAC 1946
QY 1149 gattacatcgttgatgtaaaagctgcaaatatatactggaaggaagatctgagcgtg 1208
DB 1947 GATATATCCACAGAGATATGAAAGTAAGTAACATTTTCTTGATTAATAAATATGACACAA 2006
QY 1209 tctatgtgatttttggtttagctagcctcagatgattacaagatacccaatgtt--acaac 1265
DB 2007 GATCTCGGATTTTGGATGCGCAGAAATCTTTGCAAGGAGAGAGCTGAAGCTTAACACAG 2066
QY 1266 tgcgtgaagggtacaccttggtgacatagctcccgagtgacctctcgcagctggaagtcac 1325
DB 2067 GAAAGTGTGTCGAGACTTACGCTACATGCTCTCCGAGGTACGCAATGATGGGTATTCTC 2126
QY 1326 agagaagacagatgctcttggtttagatggaatgctcttgaagctcatctactgaagag 1385
DB 2127 GGAATAATCAGATGTTTTCAGATTGTTGAGATGATGTTCTTGAATTTGTTAGTGGAAGA 2186

RESULT 5
US-08-447-185-2
Sequence 2, Application US/08447185
Patent No. 5648599
GENERAL INFORMATION:
APPLICANT: Tanksley, Steven D.
APPLICANT: Martin, Gregory B.
TITLE OF INVENTION: GENE CONFERRING DISEASE RESISTANCE
TITLE OF INVENTION: TO PLANTS BY RESPONDING TO AN AVIRULENCE GENE IN PLANT PATHOGEN
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Michael L. Goldman
STREET: Clinton Square, P.O. Box 1051
CITY: Rochester

STATE: New York
COUNTRY: U.S.A.
ZIP: 14603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,185
FILING DATE:
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/111,078
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Goldman M., Michael L.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (716)263-1000
TELEFAX: (716)-263-1600
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 966 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
US-08-447-185-2

Query Match 5.5%; Score 99.6; DB 1; Length 966;
Best Local Similarity 51.5%; Pred. No. 5.1e-18;
Matches 340; Conservative 0; Mismatches 299; Indels 21; Gaps 4;

QY 752 ttctctcgagaatctgcaagtcgcaagcagatctttagtacc-----taacttgaa 805
DB 86 TTCTTACTAGATTGTTGGGGAAGCACTAAATTAATTTGATCACAAGTTTAAATTTGAC 145
QY 806 gaggtgatttgatgtagtataaggaagcgtctgcatgagcctcacttgtagcaagta 865
DB 146 ATGGTGTCTTTGGGAAGTTTACAGGGTGTCTTCCGTGATGGAGCAAGGTGGCCCTGA 205
QY 866 aagagctttaaagaacacacacagagtggtgagctgcaagtttcaaacagaggtgga 925
DB 206 AAGGGGTACACCTGAGTCTCACAAGGATTTGAAG--AGTTGAAMAACAGAAATTTGGA 262
QY 926 tgattagcagctgtgcatcgaaatcctctcgagctacagtggttctgcatgacacca 985
DB 263 CTCTCTCATTTTGCAGACATCCGATCTGTGTTTCATTTGATGATGAGATTTCTGATGAAGA 322
QY 986 cagagcagctcttgatatacatacagtgacgaagtggaagtggtgagctgagtgtaag 1045
DB 323 ATGAGATGATTTTAATTTATTAATACATGAGATGGAATGGAACTTCAAGAGACATTTGAT 382
QY 1046 agcgtcagcactcagaacctccctctgattggaacactagaagaagatctgactagat 1105
DB 383 GATCAGATCTACCAACATGAGACATGAGCTGGAGACAGGCTGGAGATATGATGAAGGG 442
QY 1106 ctgctaggggcttctctatttgcatgaccatctgcatgcatcccaagattatccatgtag 1165
DB 443 CAGCCAGAGGTC-----TACACTACCTTCATACATGAGCAATTAATTAATGATGAT 493
QY 1166 taaagctgcacaatatattatgagcagaagaattggaagcgtgtgtagtgatcttgag 1225
DB 494 TCAAGCTTTAAACATATTGCTTGATGAGAAATTTTGTCCAAAAATTAATGATTTTGGAA 553
QY 1226 tagctagctctatgattacaagat---accacatgatacactgctgtaagggatcc 1282
DB 554 TATCCAAAGAAAGGAGCTGAGCTTATCAACCAACCATCTTAGACAGATGATGAAGAACTC 613
QY 1283 tgggtctacatagctccgagatcctcctgactggaagatcagagaagaagcagatct 1342
DB 614 TCGGCTACATGACCCCTGAATATTTATTAAGGAGCAGCTCAGTGAATAATCTGATGTTT 673

QY 1343 ttggttatggaattatgcctcttagagcctcaattacigacagagagcctttgatcttgctc 1402
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Db 674 ATTCTTTTCGCGTGTCTTTATTTCGAGATCTTTTGTCCTAGGCTCGGCATTAGTTCAATCTC 733

RESULT 6
US-08-447-185-3

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: Sequence 3, Application US/08447185
: Patent No. 5648599
:
: GENERAL INFORMATION:
: APPLICANT: Tanksley, Steven D.
: APPLICANT: Martin, Gregory B.
: TITLE OF INVENTION: GENE CONFERRING DISEASE RESISTANCE
: TITLE OF INVENTION: TO PLANTS BY RESPONDING TO AN AVIRULENCE GENE IN PLANT PATHOGEN
: NUMBER OF SEQUENCES: 5
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Michael L. Goldman
: STREET: Clinton Square, P.O. Box 1051
: CITY: Rochester
: STATE: New York
: COUNTRY: U.S.A.
: ZIP: 14603
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/447,185
: FILING DATE:
: CLASSIFICATION: 800
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/08/111,078
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Goldman M., Michael L.
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (716)263-1000
: TELEFAX: (716)-263-1600
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2443 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: unknown
: MOLECULE TYPE: DNA (genomic)
:
: US-08-447-185-3

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Query Match	5.5%;	Score 99.6;	DB 1;	Length 2443;
Best Local Similarity	51.5%;	Pred. No. 8.3e-18;		
Matches 340; Conservative	0;	Mismatches 299;	Indels 21;	Gaps 4;

QY	752	ttctctcgcgagaattgcgaatgcgaacggaatacctttaglacca-----tacttgaa	805
Db	149	ttcccttttgtagattttggagcaacaaactaatatttttgatctccaaagtgttttaatttggac	208
QY	806	gaggtggaatttggtaaggtgtgataaggaagcgccttgtagtgacttgtagcaagta	865
Db	209	atggctgctcttggcgaaggtttacaaagggtgttttggcgtgatggacgaaaaggctggcccttca	268
QY	866	aaaggcttaaaagaaacgaacacacacaaagtgtagctgcagtcttcaaacagaagtggaa	925
Db	269	aaaggcgtgacacacgtgacctccacaaaggttttgaaag--agttcgaaacaaagaaatttgaga	325
QY	926	tgattagatcagtcgttgatcatgaattcttctgctacagtggtttcttcatagaaccaa	985
Db	326	ctctctcatattttgcacgaatccgcatctgcggtttcatgtagatgattcttgatgaagaa	385
QY	986	cagaagcgcgctcttctatataccatacatgctaaggaagtglttgcgtgtttaaag	1045
Db	386	atgagatgtatttttaattatataaataacatgggaattgggaacctcaagacacattttttag	445

QY 1046 agcgtcagccatcagaacctcccccttgattggccaactagagagagtgcacatgagt 1105
| | | | |
Db 446 GATCAGATTCTACCCCAATGAGCATAGCTGGAGACGAGCGTGGAGATATGCATAGCG 507

Db 506 CAGCCAGAGTC-----TACACTACCTTCATCTAGAGCAATTATACATCGGATG 556

Db 557 TCAGTCTATAACACATATTCCTTGATGAGAAATTTTGTCGCAAAATTTACTCATTTTGCAG 616

Db 617 TATCCAGGAAGGACTGAGCCTTGATCAACCCATCTTAGCACAGTAGTGAAGGAACTC 676

Db 677 TCGGCTACATTGACCCCTGAATATTTTATTAAGGAGCAGCTCAGTCAGAAAATCTGATGTTT 736

D_b 737 ATCTTTTCGGTGTGTTATTTCGAGTTCTTGTGCTAGCTCTGCGCANAGTTCATCTC 798

RESULT 7
MS-07-717-331F-4

; Patent NO. 5484303
 ;
 ; GENERAL INFORMATION:
 ;
 ; APPLICANT: June Nasrallah; Michael Nasrallah; and Joshua

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1035
1036
1037
1038
1039
1040

```

ADDRESS: Yanwak & Associates
STREET: 25 Skypop Drive
CITY: Trumbull

```

:
: COUNTRY: USA
:
: ZIP: 06611
:
: COMPILED READABLE FORM.

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;
;      COMPUTER: Macintosh
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;      OPERATING SYSTEM: MS-DOS
SOFTWARE: Microsoft Word
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?      CURRENT APPLICATION DATA:
?      APPLICATION NUMBER: US/07/717,331F
?      FILING DATE: June 19th 1991
?      CLASSIFICATION: 800
?      ATTORNEY/AGENT INFORMATION:
?      NAME: George M. Yahwak
?      REGISTRATION NUMBER: 26,824
?      TELECOMMUNICATION INFORMATION:
?      TELEPHONE: (203)268-1951
?      TELEFAX: (203)268-1951
?      INFORMATION FOR SEQ ID NO: 4:
?      SEQUENCE CHARACTERISTICS:
?      LENGTH: 2749 base pairs
?      TYPE: nucleic acid
?      STRANDEDNESS: single
?      TOPOLOGY: linear
?      MOLECULE TYPE: DNA
?      US-07-717-331F-4

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Query Match	5.1%;	Score 92;	DB 1;	Length 2749;
Best Local Similarity	50.5%;	Pred. No. 1.1e-15;		
Matches 305;	Conservative	0;	Mismatches 290;	Indels 9;
				Gaps 3.

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Db 1604 CTGATTTTAAACAAGGTGCGAAAGGTGTTGGTGTGTTTACAAAGGAAGTTAGTGTG 1663
Oy 845 atgctcactgttagcagcttaagaagccttaagaagaacacccaggtgtgtagctgc 904
Db 1664 ACGGGCAAGAAATTCAGTGAAGACTATGCGAAATGTCAGCTCAAGTACCAGTACGT 1723
Oy 905 agttcaacacagaggttgaatgtatgtagcgtgtgtgtagcgaacgttctgtgtgtac 964
Db 1724 TCATGAACGAAGTTAGGCTTAATGCAAAAGCTTCACGCCAAT--AATCTGTCCGACTTC 1780
Oy 965 gtgtttctgcatgacacacacagagcgtctctgtatatacatcatgtagttagaa 1024
Db 1781 TTGGCTGTGTTGTTTATGAGGGCGGAAGACTTAATTTAGAGTACTGTGAGATCTAA 1840
Oy 1025 gtgtgtgctgtgtttaaagagcgtcagccatagaacccctccctgattgtgccaacta 1084
Db 1841 GCGTCGATTCATCTCTTTGA--TGAACCAAGAGCTGTATGTTAAATTGGCAATGA 1897
Oy 1085 ggaagagagatgacacacacacacacacacacacacacacacacacacacacacacac 1144
Db 1898 GATTGATTAATATCAATGCTATGCGCCAGGGCTTCTCTATCTTCACCAAGATTACGCGT 1957
Oy 1145 ccaagatatacatcgtatgtatgaagcgtcgaataatataatatttgacgaagattgag 1204
Db 1958 TTAGATATCATCCACAGGATTTGAAGCAACAGCATGTCTTGCTTGTAAGAATATGACTC 2017
Oy 1205 ctgtgtgtagtattgtgtgttagcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgt 1261
Db 2018 CAAAATTTTCAGACTTGGAAATGCTGAGATCTTTGAGACGGGAAGAACGAACTGACA 2077
Oy 1262 caactgctgaagaggtacacacacacacacacacacacacacacacacacacacacacac 1321
Db 2078 CGAGGAAGTGTGTCGAACCTTATGCTTACATGCTCCAGATATGCGATGACGAGGACAT 2137
Oy 1322 catcagaagaacacacacacacacacacacacacacacacacacacacacacacacac 1381
Db 2138 TCTCAATGAACTGAGATGCTGTTGAGTTTGGGCTGCTTGCTTGTAATATATAGTGGA 2197
Oy 1382 agag 1385
Db 2198 AGAG 2201

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RESULT 8
US-08-473-553A-1
; Sequence 1, Application US/08473553A
; Patent No. 5853538
; GENERAL INFORMATION:
; APPLICANT: Meyerowitz, Elliot M.
; APPLICANT: Clark, Steven E.
; APPLICANT: Williams, Robert W.
; TITLE OF INVENTION: Plant Clavatal Nucleic Acids,
; TITLE OF INVENTION: Transformed Plants, and Proteins
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/473,553A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Silva, Robin M.

```

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; REGISTRATION NUMBER: 38,304
; REFERENCE/DOCKET NUMBER: A-60886/REF/RMS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5733 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2434..5037
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 5117..5467
; US-08-473-553A-1

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Query Match 4.8% Score 87.6; DB 2; Length 5733;
Best Local Similarity 51.3%; Pred. No. 2,6e-14;
Matches 232; Conservative 0; Mismatches 214; Indels 6; Gaps 1;

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Oy 793 accatccttggaagaggtgtgattgttaagtgatataaggaagcctgtcgtgagctca 852
Db 4534 AACATATGCGTAAGACGCGAGTGGAATGTCACCGTGATCAATGCCAACAACGTA 4594
Oy 853 ctgtgacagtttaagagcttaagaagaacacacacacacacacacacacacacacacac 912
Db 4594 GAGTGGCATTAAGAGACTCGTTGGCCGTGGGACCGGAGAGACGATCATGATTCACG 4653
Oy 913 acagagtggaatgattgacatgctgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgt 972
Db 4654 GCGGAGATTCAAACTTTGGGGAATCCGCGACGTCACATGATGATGAGACTCTTGTTAC 4713
Oy 973 tgcattgacacacacacacacacacacacacacacacacacacacacacacacacacac 1032
Db 4714 GTAGCGAACAGAGATACGATCTCTTCTTATGATACATGCTAATGGAAGCCTTGGA 4773
Oy 1033 tcgtgttaagagagcgtcgcacacacacacacacacacacacacacacacacacacac 1092
Db 4774 GAGCTTT-----GCATGATCTAAAGGTGTCATCTTCAATGSGAAGACGACATAGA 4827
Oy 1093 attgacatgagctgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtc 1152
Db 4828 GTAGCGGTGGAAGCTGCAAGAGGCTTGTTATTCACCATGATGTTCCACCATGATGTC 4887
Oy 1153 atccatcgtgattgaagaagctcaaatatattattgagcgaagaattgagcgtgtgta 1212
Db 4888 TTGCATAGAGATGTTAGTTCATATACATCTTTTGGACTGTGATTTGAAGCCCATGTT 4947
Oy 1213 ggtgatttggttagcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtc 1244
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RESULT 9
US-08-567-375-3
; Sequence 3, Application US/08567375
; Patent No. 5952485
; GENERAL INFORMATION:
; APPLICANT: Ronald, Pamela C.
; APPLICANT: Wang, Guo-Liang
; APPLICANT: Song, Wen-Yuang
; APPLICANT: Szabo, Veronique
; TITLE OF INVENTION: Procedures and Materials for Conferring
; TITLE OF INVENTION: Disease Resistance in Plants
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESS: Townsend and Townsend and Crew LLP

```



```

: STREET: Two Embarcadero Center, Eighth Floor
: CITY: San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94111-3834
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
:
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/567,375
: FILING DATE: 04-DEC-1995
: CLASSIFICATION: 800
:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 60/004,645
: FILING DATE: 29-SEP-1995
:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/475,891
: FILING DATE: 07-JUN-1995
:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/373,375
: FILING DATE: 17-JAN-1995
:
: ATTORNEY/AGENT INFORMATION:
: NAME: Bastian, Kevin L.
: REGISTRATION NUMBER: 34,774
: REFERENCE/DOCKET NUMBER: 023070-058930
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (415) 576-0200
: TELEFAX: (415) 576-0300
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3921 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: FEATURE:
: NAME/KEY: CDS
: LOCATION: join(1..2676,3520..3918)
: OTHER INFORMATION: /product= "Xa-21"
:
: US-08-567-375-3

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Query Match 3.2%; Score 58.6; DB 2; Length 3921;
Best Local Similarity 50.1%; Pred. No. 2e-06;
Matches 172; Conservative 0; Mismatches 169; Indels 2; Gaps 1;

Qy 86 aattctatataatgcgtacgtataataataattacatgcaattcactgctc 145
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1126 ACTTCGCTAGTTCTTCTTGCACTTGGAATTGAATGAACACAGAGCATTCCGAAGAT 1185

Qy 146 accttgacaataatggggttcttataatgacattgagctttacagaataaataagtgac 205
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1186 ATTGGCAATCTTATTGGCTTACAAACATC--TCTATCTCTGCAACAACAATAATTGAGAGGT 1243

Qy 206 caattccatgacatcttgggaatctgacaatttggtagcttggacctataacttgata 265
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1244 CTCTTCATCAATCGTTGGGAGGCTTAAAAAATTAGGATTCTACTGCGCTACGAAAAACA 1303

Qy 266 gcttcctgcagcctatacgcagacacattaggaagcttacaagcttaagattcgtc 325
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1304 ACTTAGAGGGTTTCATTCCTGCGCATAGGAATCTTACTGAACTTAATATCTTACTGC 1363

Qy 326 tcaacaacaagacgtctctggtccaaatccaaatgcaactgactgactaataataactcttc 385
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1384 TCGGCAACAACAATTCAGTGGTGGATACCATACACACTCTCAAACTCTCAACAATCTGT 1423

Qy 386 aagtcctgatttatacaacaatcgctcatcagaccagttacc 428
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1424 TGTCAATTAGGCTTTCACACTAATAACTTACTGCTGCTCAATACC 1466

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RESULT 10
US-08-587-680A-3
: Sequence 3, Application US/08587680A
: Patent No. 5977434
:
: GENERAL INFORMATION:
: APPLICANT: Ronald, Pamela C.
: APPLICANT: Wang, Guo-liang
: APPLICANT: Song, Wen-Yuang
: APPLICANT: Szabo, Veronique
: TITLE OF INVENTION: Procedures and Materials for Confering
: NUMBER OF SEQUENCES: 27
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Townsend and Townsend and Crew LLP
: STREET: Two Embarcadero Center, Eighth Floor
: CITY: San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94111-3834
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/587,680A
: FILING DATE: 17-JAN-1996
: CLASSIFICATION: 800
:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/373,375
: FILING DATE: 17-JAN-1995
:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/475,891
: FILING DATE: 07-JUN-1995
:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 60/004,645
: FILING DATE: 29-SEP-1995
:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/567,375
: FILING DATE: 04-DEC-1995
:
: ATTORNEY/AGENT INFORMATION:
: NAME: Bastian, Kevin L.
: REGISTRATION NUMBER: 34,774
: REFERENCE/DOCKET NUMBER: 023070-058940US
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (415) 576-0200
: TELEFAX: (415) 576-0300
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3921 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: FEATURE:
: NAME/KEY: CDS
: LOCATION: join(1..2676,3520..3918)
: OTHER INFORMATION: /product= "Xa-21"
:
: US-08-587-680A-3

```

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Query Match 3.2%; Score 58.6; DB 2; Length 3921;
Best Local Similarity 50.1%; Pred. No. 2e-06;
Matches 172; Conservative 0; Mismatches 169; Indels 2; Gaps 1;

Qy 86 aattctatataatgcgtacgtataataataattacatgcaattcactgctc 145
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1126 ACTTCGCTAGTTCTTCTTGCACTTGGAATTGAATGAACACAGAGCATTCCGAAGAT 1185

Qy 146 accttgacaataatggggttcttataatgacattgagctttacagaataaataagtgac 205
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1186 ATTGGCAATCTTATTGGCTTACAAACATC--TCTATCTCTGCAACAACAATAATTGAGAGGT 1243

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Oy      206 caattctcagtagatcttggagatctgacaaattggtgagcttggacctatcatgaata 265
Db      1244 CTCCTCCATCATCGTTGGGCGACGGCTTTAAANAACCTTAGGCATTCTACTGCGTACGAANAACA 130
Oy      266 gctctctgagacctataccggacacaltgaaagacttaagaagctaaagctaaagattctgcgtc 325
Db      1304 ACTTGACGGGTTTCATGCCCTTGCGCCATAGGAATCTTACTGAACCTTAATATCTTACTGC 136
Oy      326 tcaacaacaaagacctctcttgcgtcaattccaatgccaatgcagctgactaataattacaactctc 385
Db      1364 TCGGCACCAACAATTCAGTGTGGTGGATTCACATACACACCTCTCAAACTTCACAACCTG 142
Oy      386 aagctctgattatcaaacacatgcggtatcagcagaccagtaac 428
Db      1424 TGTCAATTAGCGCTTTCAACACTAATAACCTTAGTGGTCCAAATACC 1466

RESULT 11
US-08-475-891A-3
: Sequence 3, Application US/08475891A
: Patent No. 5859339
: GENERAL INFORMATION:
: APPLICANT: Ronald, Pamela C.
: APPLICANT: Wang, Guo-Liang
: TITLE OF INVENTION: Procedures and Materials for Confering
: TITLE OF INVENTION: Disease Resistance In Plants
: NUMBER OF SEQUENCES: 15
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Townsend and Townsend and Crew LLP
: STREET: Two Embarcadero Center, Eighth Floor
: CITY: San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94111-3834
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: IBM PC compatible
: SOFTWARE: Patent Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/475,891A
: FILING DATE: 06-JUN-1995
: CLASSIFICATION: 800
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/373,375
: FILING DATE: 17-JAN-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Bastian, Kevin L.
: REGISTRATION NUMBER: 34,774
: REFERENCE/DOCKET NUMBER: 02370-058910US
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (415) 576-0200
: TELEFAX: (415) 576-0300
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 5992 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: FEATURE:
: NAME/KEY: CDS
: LOCATION: join(512..3149, 3993..4393)
: OTHER INFORMATION: /product= "RRK-B"
: OTHER INFORMATION: /note= "Xa21 Xanthomonas spp. disease
: OTHER INFORMATION: resistance gene RRK-B from rice (Oryza
: sativa)"
: US-08-475-891A-3

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Matches 172: Conservative 0: Mismatches 169: Indels 2: Gaps 1,
Oy 86 aattctatagaatcogtaacagataaataataaattacaatcagttccatgctc 145
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Db 1637 ACTTGCTTAGTATTTCTTGCACTTGAAATGGAATAGATCAACAGGAAGCATTTCCGAGGAT 1696
Oy 146 acccttgacaatatgagggtctctatgacatcggagctcttacagcaatacaataagtgac 205
    |||||
Db 1697 AATTGCATCTTATGGCTTACACATC--TCTATCTGTGCACACACAAATTTCAAGAGGT 1754
Oy 206 caattccctagtgatcttgggaatctgacaatcttggtagcttggacctatacatgaa 265
    |||||
Db 1755 CTCTTCGATCATCTGTGGGCGAGGCTTAAAAAATTGAGCATTTCTCTCCCTACGAAAAACA 1814
Oy 266 gctcttcggacctatcaccagacacataggagaagaacttacaagtgaaagcttcctggctc 325
    |||||
Db 1815 ACTTAGCGGCTTTCATCCCGCTTGGCCATAGGAATCTTACTGAACTTATATCTTACTGC 1874
Oy 326 tcaacaacacagcctctcttgytccaattccaatcgaatcgaactaataatacaactcttc 385
    |||||
Db 1875 TCGGCACCAACAAATTCAGTGGTGGATACCATACACATCTCAAACTCCACAAACTTGT 1934
Oy 386 aagtcctgattatcaacaacatcggtcatcagagccgctacc 428
    |||||
Db 1935 TGTCAATTAGGCTTTCACACTAATAACTTAGTGTCATAATCC 1977

RESULT 12
PCT-US93-06251-83
: Sequence 83, Application PC/TUS9306251
: GENERAL INFORMATION:
: APPLICANT: WICKSTROM, Eric and Rife, Jason P.
: TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing
: TITLE OF INVENTION: Stereospecific Alkylphosphonates and Arylphosphonates
: NUMBER OF SEQUENCES: 93
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
: STREET: 400 Garden City Plaza
: CITY: Garden City
: STATE: NY
: COUNTRY: USA
: ZIP: 11530
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentln Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: PCT/US93/06251
: FILING DATE: 19930630
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: DIGI9110, Frank S.
: REGISTRATION NUMBER: 31,346
: REFERENCE/DOCKET NUMBER: 8586
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 516-742-4343
: TELEFAX: 516-742-4366
: TELEX: 230 901 SANS UR
: INFORMATION FOR SEQ ID NO: 83:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 4517 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: PCT-US93-06251-83
Query Match 3.2% Score 57.2: DB 4: Length 4517:
Best Local Similarity 53.0%: Pred. No. 5.1e-06:
Matches 122: Conservative 0: Mismatches 108: Indels 0: Gaps 0:

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```

Matches 109; Conservative 0; Mismatches 92; Indels 0; Gaps 0;
QY 179 agcttacaagcaataactaagtgtgaccaattcctcagtagcttgggaatcgcacaatt 238
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Db 2885 ATCTGTGCAACACAAATTTGAGAGGGTCATTCATCGTTGGCGAGGCTTAGAAACT 2944
QY 239 tggtagagcttggaccatcacatagctctctcgtgaccctaccggaccatlaagaa 298
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 2945 TAGGCATTTCTAGTCCCTCAGCAAAACACTTGAGCGGTTCCATGCCATGTAGCA 3004
QY 299 agcttacaaggtctaagattcttgcgtctcaacaacaagcctctcgtgccaattccaa 358
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 3005 ATCTTACTGAACCTTAATATCTTACTGCTCGGCACCAACAATTCAGTGTGATACCAT 3064
QY 359 tgcactgactaataatlaaca 379
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 3065 ACACACTCTCAACCTCACAA 3085

RESULT 15
US-08-567-375-1
; Sequence 1, Application US/08567375
; Patent No. 5952485
;
; GENERAL INFORMATION:
; APPLICANT: Ronald, Pamela C.
; APPLICANT: Wang, Guo-Liang
; APPLICANT: Song, Wen-Yuang
; APPLICANT: Szabo, Veronique
; TITLE OF INVENTION: Procedures and Materials for Confering
; TITLE OF INVENTION: Disease Resistance in Plants
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/567,375
; FILING DATE: 04-DEC-1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/004,645
; FILING DATE: 29-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/475,891
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/373,375
; FILING DATE: 17-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Bastian, Kevin L.
; REGISTRATION NUMBER: 34,774
; REFERENCE/DOCKET NUMBER: 023070-058930
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: join(1648..4383, 5178..5513)

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; OTHER INFORMATION: /product="RRK-F"
; OTHER INFORMATION: /note="Xa21 Xanthomonas spp. disease
; OTHER INFORMATION: resistance gene RRK-F from rice
; OTHER INFORMATION: (Oryza sativa)"
US-08-567-375-1

Query Match 3 0%; Score 53.8; DB 2; Length 6256;
Best Local Similarity 54.2%; Pred. No. 5.2e-05;
Matches 109; Conservative 0; Mismatches 92; Indels 0; Gaps 0;

QY 179 agcttacaagcaataactaagtgtgaccaattcctcagtagcttgggaatcgcacaatt 238
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Db 2885 ATCTGTGCAACACAAATTTGAGAGGGTCATTCATCGTTGGCGAGGCTTAGAAACT 2944
QY 239 tggtagagcttggaccatcacatagctctctcgtgaccctaccggaccatlaagaa 298
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 2945 TAGGCATTTCTAGTCCCTCAGCAAAACACTTGAGCGGTTCCATGCCATGTAGCA 3004
QY 299 agcttacaaggtctaagattcttgcgtctcaacaacaagcctctcgtgccaattccaa 358
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 3005 ATCTTACTGAACCTTAATATCTTACTGCTCGGCACCAACAATTCAGTGTGATACCAT 3064
QY 359 tgcactgactaataatlaaca 379
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Db 3065 ACACACTCTCAACCTCACAA 3085

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Search completed: January 15, 2001, 20:42:16
 Job time: 7112 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: January 15, 2001, 20:42:16 ; Search time 236.11 Seconds
(without alignments)
2785.546 Million cell updates/sec

Title: US-09-180-798-20

Perfect score: 4081

Sequence: 1 tctgaacccttttgatcat.....taaggaatcatgtcttctaga 4081

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 280836 segs, 80580151 residues

Total number of hits satisfying chosen parameters: 561672

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :
1: Issued_Patents_NA:*
2: /cgn2.6/prodata/1/ina/5A_COMB.seq:*
3: /cgn2.6/prodata/1/ina/5B_COMB.seq:*
4: /cgn2.6/prodata/1/ina/6_COMB.seq:*
5: /cgn2.6/prodata/1/ina/PCITUS_COMB.seq:*
6: /cgn2.6/prodata/1/ina/Backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	72.2	1.8	7218	1	US-08-232-463-14
2	71.6	1.8	1554	2	US-08-587-680A-24
3	64	1.6	5733	2	US-08-473-553A-1
4	59.8	1.5	966	1	US-08-447-185-2
5	59.8	1.5	2443	1	US-08-447-185-3
6	59	1.4	2571	1	US-07-717-331F-9
7	59	1.4	2833	1	US-07-717-331F-1
8	55.4	1.4	2749	1	US-07-717-331F-4
9	54.2	1.3	2749	1	US-08-265-628-1
10	53.2	1.3	19124	2	US-08-487-826B-13
11	49.2	1.2	6343	3	US-08-581-148C-30
12	47.8	1.2	240	1	US-08-628-417-6
13	47.2	1.2	87350	3	US-08-781-891-79
14	46.2	1.1	3921	2	US-08-567-375-3
15	46.2	1.1	3921	2	US-08-587-680A-3
16	46.2	1.1	3921	2	US-08-475-891A-3
17	46.2	1.1	6256	2	US-08-475-891A-1
18	46.2	1.1	6256	2	US-08-567-375-1
19	46.2	1.1	6256	2	US-08-587-680A-1
20	46	1.1	2447	2	US-09-014-969-14
21	45.4	1.1	7218	1	US-08-232-463-14
22	45	1.1	6243	2	US-09-056-075-1
23	44.4	1.1	13473	4	PCT-US96-03916-1
24	44.4	1.1	18912	4	PCT-US96-03916-59
25	43.8	1.1	2621	2	US-08-553-619B-8
26	43.2	1.1	1611	4	US-07-820-011A-3
27	43.2	1.1	1611	4	PCT-US93-00445-3
28	42.8	1.0	19124	2	US-08-487-826B-13

29	41	1.0	5852	1	US-07-867-106-2	Sequence 2, Appl
30	40.6	1.0	2208	4	PCT-US95-08493-1	Sequence 1, Appl
31	40.6	1.0	2580	4	PCT-US95-08493-18	Sequence 18, Appl
32	40.6	1.0	2604	4	PCT-US95-08493-20	Sequence 20, Appl
33	40.6	1.0	2869	1	US-08-374-834-2	Sequence 2, Appl
34	40.6	1.0	2869	1	US-08-644-271-2	Sequence 2, Appl
35	40.4	1.0	2216	1	US-08-046-583-12	Sequence 12, Appl
36	40.4	1.0	2216	1	US-08-384-556A-3	Sequence 3, Appl
37	40.4	1.0	2216	2	US-08-331-355A-24	Sequence 24, Appl
38	40.4	1.0	2216	4	PCT-US94-12364-24	Sequence 24, Appl
39	40.4	1.0	2216	4	PCT-US95-07753-3	Sequence 3, Appl
40	40.4	1.0	2298	3	US-09-157-077-1	Sequence 7, Appl
41	40.4	1.0	2327	3	US-08-764-100-13	Sequence 1, Appl
42	40.2	1.0	642	1	US-08-764-100-9	Sequence 13, Appl
43	40.2	1.0	3000	1	US-08-186-222-1	Sequence 1, Appl
44	39.8	1.0	1920	1	US-08-186-222-1	Sequence 1, Appl
45	39.6	1.0	831	2	US-08-567-375-15	Sequence 15, Appl

ALIGNMENTS

```

RESULT 1
US-08-232-463-14
: Sequence 14, Application US/08232463
: Patent No. 5670367
:
: GENERAL INFORMATION:
: APPLICANT: DORNER, F.
: APPLICANT: SCHEIFLINGER, F.
: APPLICANT: FALKNER, F. G.
: TITLE OF INVENTION: RECOMBINANT FOM/POX VIRUS
: NUMBER OF SEQUENCES: 52
: CORRESPONDENCE ADDRESS:
: ADDRESS: Foley & Lardner
: STREET: 1800 Diagonal Road, Suite 500
: CITY: Alexandria
: STATE: VA
: COUNTRY: USA
: ZIP: 22313-0299
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.25
:
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/232,463
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/07/935,313
: FILING DATE:
: APPLICATION NUMBER: EP 91 114 300.6
: FILING DATE: 26-AUG-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: BENT, Stephen A.
: REGISTRATION NUMBER: 29,768
: REFERENCE/DOCKET NUMBER: 30472/114 IMMU
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (703)836-9300
: TELEFAX: (703)83-4109
:
: TELE: 899149
: INFORMATION FOR SEQ ID NO: 14:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 7218 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: IMMEDIATE SOURCE:
: CLONE: pTgpt-Fls
:
: US-08-232-463-14

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Query Match 1.8%, Score 72.2; DB 1; Length 7218;

Best Local Similarity 7.3%; Pred. No. 2.2e-08;
Matches 32; Conservative 237; Mismatches 170; Indels 0; Gaps 0;

Qy 2462 caacagtcctacggtgcaatcttctctatgctacgacacatactaccccttaagtgt 2521
Db 1011 CCATACGCTCAGCAAAATTAATTCGAGCTTGCGTGCAGGAGGAGCTTGCAATATAT 1070
Qy 2522 gtagctctctacatctacatctatgctactactcctccctcagttgattgtg 2581
Db 1071 YY 1130
Qy 2582 agthaatgacatcaactctgagatgcaacacagagatctatcaataacagactctc 2641
Db 1131 YY 1190
Qy 2642 ggtcagtcctcgcacatgctcctctcctcctcctcctcctcctcctcctcctc 2701
Db 1191 YY 1250
Qy 2702 tccctcagtcctcagtcgtgctgctgctgctgctgctgctgctgctgctgctgct 2761
Db 1251 YY 1310
Qy 2762 ccttgagtcgttctgctacatctagacctaigtgacgttacaagtcacacatgct 2821
Db 1311 YY 1370
Qy 2822 ctgagatcccccgtttctccctccacacacttattacactcccccgattccacc 2881
Db 1371 YY 1430
Qy 2882 cgagtaagcctcctctt 2900
Db 1431 YYYTGACCAATTCCTCT 1449

RESULT 2
US-08-587-680A-24
; Sequence 24, Application US/08587680A
; Patent No. 5977434
; GENERAL INFORMATION:
; APPLICANT: Ronald, Pamela C.
; APPLICANT: Wang, Guo-Liang
; APPLICANT: Song, Wen-Yuang
; APPLICANT: Szabo, Veronique
; TITLE OF INVENTION: Procedures and Materials for Conferring
; TITLE OF INVENTION: Disease Resistance in Plants
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/587,680A
; FILING DATE: 17-JAN-1996
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/373,375
; FILING DATE: 17-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/475,891
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/004,645
; FILING DATE: 29-SEP-1995

;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/567,375
;; FILING DATE: 04-DEC-1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Bastian, Kevin L.
;; REGISTRATION NUMBER: 34,774
;; REFERENCE/DOCKET NUMBER: 023070-05894005
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (415) 576-0200
;; TELEFAX: (415) 576-0300
;; INFORMATION FOR SEQ ID NO: 24:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1554 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: CDNA (partial)
US-08-587-680A-24

Query Match 1.8%; Score 71.6; DB 2; Length 1554;
Best Local Similarity 54.6%; Pred. No. 1.5e-08;
Matches 165; Conservative 0; Mismatches 134; Indels 3; Gaps 1;

Qy 3783 ctgattgccaacgaggaagaaatcgctagctcagctcaggttcttaccct 3842
Db 982 CTCATGGGAATAGCTATAAATAGCATAGAGCTGCCAAGGCGCTTCTATTTG 1041
Qy 3843 catgactactgcgtcgcgaatcatcaccgtgacgtgaaagcgaacacatcctcta 3902
Db 1042 CACACAGATTGCTCCCTATGATATCCACCAGATGTCACATCCACAAATATTTGG 1101
Qy 3903 gacgaagaatcgacggtgttgagatttcggttggcgaag---cctaagactac 3959
Db 1102 AACTGTGAACCTGAAACCTGATTTGACAGATTTTGATTAAGCAAGTACTTTCGTACAAAT 1161
Qy 3960 aaagactacacgtgacaacacagctccgtgacacatcgatcagatcgcagaat 4019
Db 1162 GGTACTGTGAGTGCATGTCTGCAATTCGAGGATCTTATGCTCATATGCTCAGAAATAT 1221
Qy 4020 ctctcaaccggaatctctcagaagaacccgcttccgataaggaatcagctctcta 4079
Db 1222 GCATACACGCTGAATAATGATGAGAAAGCATGTGTATGCTTGTGAGTGTGTTG 1281
Qy 4080 ga 4081
Db 1282 GA 1283

RESULT 3
US-08-473-553A-1
; Sequence 1, Application US/08473553A
; Patent No. 5859338
; GENERAL INFORMATION:
; APPLICANT: Meyerowitz, Elliot M.
; APPLICANT: Clark, Steven E.
; APPLICANT: Williams, Robert W.
; TITLE OF INVENTION: Plant Clavatal Nucleic Acids,
; TITLE OF INVENTION: Transformed Plants, and Proteins
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

RESULT 5
 US-08-447-185-3
 ; Sequence 3, Application US/08447185
 ; Patent No. 5648599
 ; GENERAL INFORMATION:
 ; APPLICANT: Tankley, Steven D.
 ; APPLICANT: Martin, Gregory B.
 ; TITLE OF INVENTION: GENE CONFERRING DISEASE RESISTANCE
 ; TITLE OF INVENTION: TO PLANTS BY RESPONDING TO AN AVOIDANCE GENE IN PLANT PATHOGENS
 ; NUMBER OF SEQUENCES: 5
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Michael L. Goldman
 ; STREET: Clinton Square, P.O. Box 1051
 ; CITY: Rochester
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 14603
 ;
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/447,185
 ; FILING DATE:
 ;

RESULT 7
 US-07-717-331F-1
 Sequence 1, Application US/07717331F
 Patent No. 5484905
 GENERAL INFORMATION:
 APPLICANT: June Nasrallah; Michael Nasrallah; and Joshua
 Applicant: Stein
 TITLE OF INVENTION: A Receptor Protein Kinase Gene
 TITLE OF INVENTION: Encoded At The Self-Incompatibility Locus
 NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Yanwak & Associates
 STREET: 25 Skytop Drive
 CITY: Trumbull
 STATE: Connecticut
 COUNTRY: USA
 ZIP: 06611
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy Disk
 COMPUTER: Macintosh
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: Microsoft Word
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/717,331F
 FILING DATE: June 19th 1991
 CLASSIFICATION: 800
 ATTORNEY/AGENT INFORMATION:
 NAME: George M. Yahwak
 REGISTRATION NUMBER: 26,824
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (203)268-1951

TELEFAX: (203)268-1951
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2833 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-07-717-331F-1

Query Match 1.4%; Score 59; DB 1; Length 2833;
Best Local Similarity 51.8%; Pred. No. 2.8e-05;
Matches 159; Conservative 0; Mismatches 145; Indels 3; Gaps 1;

QY 3778 ctccgcttggttggccaacgcggaagaaatcgcgctcagctcagctcgggttctt 3837
DB 1859 CTAAGCTAAATGGAATGAGAGATTCCGACATTCACAAATGGTGTTCGACGGCTTTTAT 1918
QY 3838 acctacatgcatcgcgctcgcgaagatcattccacgctgacgtaaaagcagcaaacatcc 3897
DB 1919 ATCTTCATCAAGACTCAGGTTTAGGATATCCACAGAGATTGGAAGTAACTAATTT 1978
QY 3898 tcttagacgaagaattcgaagcggttgtagatttcgggttggcgaagctaagtact 3957
DB 1979 TGCTTGACAAAATATGATCCCAAGATCTCGGATTTTGGGATGCCAGATATTGAAA 2038
QY 3958 ataaagcactcagctgtaacaacgca---gtcgtgacacatcgcgtcaatcgctccag 4014
DB 2039 GGGACGAAACGGAAGCTTAACACAAATGAGGTGTCGGAGACATACGCTACATATCCCGG 2098
QY 4015 aatatctcaaccggaatcttcagagaaacccgacgcttcgcgtaagaatcatgc 4074
DB 2099 AATACGCAATGTATGGGATTTCTCGGAAAAATCAGATGTTTTCAGATTGGAGTCTAG 2158
QY 4075 tcttaga 4081
DB 2159 TTCTTGA 2165

RESULT 8
US-07-717-331F-4
; Sequence 4, Application US/07717331F
; Patent No. 5484905
; GENERAL INFORMATION:
; APPLICANT: June Nasrallah; Michael Nasrallah; and Joshua
; APPLICANT: Stein
; TITLE OF INVENTION: A Receptor Protein Kinase Gene
; TITLE OF INVENTION: Encoded At The Self-Incompatibility Locus
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Yahwak & Associates
; STREET: 25 Skytop Drive
; CITY: Trumbull
; STATE: Connecticut
; COUNTRY: USA
; ZIP: 06611
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: Macintosh
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Microsoft Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/717,331F
; FILING DATE: June 19th 1991
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: George M. Yahwak
; REGISTRATION NUMBER: 26,824
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (203)268-1951
; TELEFAX: (203)268-1951
; INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:
; LENGTH: 2749 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-07-717-331F-4

Query Match 1.4%; Score 55.4; DB 1; Length 2749;
Best Local Similarity 53.2%; Pred. No. 0.00022;
Matches 141; Conservative 0; Mismatches 121; Indels 3; Gaps 1;

QY 3394 aaatttggcagagagtggttggtaagatctaacgaagagcgttgcagcagaa 3453
DB 1612 AACAGAGTCGGAAGAGGTGTTTGGTGTGTTTACAGAGAGCTTGTGACGGCA 1671
QY 3454 ctgtgtcgtcgaagactgaagaagcgaactccaggtgagagctcagttca 3513
DB 1672 GAATTCAGTGAAGAGACTATCGGAATGTCAGCTCAAGTACCGANG---AGTTCATG 1728
QY 3514 acagaagttagatgataagatgagtcacgtcgaacacctgttagattacgaagttc 3573
DB 1729 AACGAAGTTAGCTATGCAAGCTTCACGCCCAATAATCTTGTCGACTTGGCTGT 1788
QY 3574 tttatgaccaccgacgagagattgctgtgtatccttaccatgagcgaagagtgct 3633
DB 1789 TGCTTTATGAGGCGAGAGATCTTAATTTACAGATCTTGAGAGATCTAAGCTCGAT 1848
QY 3634 tctgtctcagaggtlaaaactaa 3658
DB 1849 TCTCATCTCTTGATGAAACAGAA 1873

RESULT 9
US-08-265-628-1
; Sequence 1, Application US/08265628
; Patent No. 5821094
; GENERAL INFORMATION:
; APPLICANT: Rothstein, Steven J.
; APPLICANT: Goring, Daphne
; TITLE OF INVENTION: S-LOCUS RECEPTOR KINASE GENE IN A
; TITLE OF INVENTION: SELF-INCOMPATIBLE BRASSICA NAPUS LINE
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McAndrews, Held & Malloy, Ltd.
; STREET: 500 W. Madison St., Suite 3400
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60661
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/265,628
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/959,945
; FILING DATE:
; APPLICATION NUMBER: US 07/847,564
; FILING DATE: 03-MAR-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Pochodien Ph.D., Donald J.
; REGISTRATION NUMBER: 32,167
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-707-9155
; TELEFAX: 312-707-8889
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:

LENGTH: 2749 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Brassica napus
STRAIN: oleifera
INDIVIDUAL ISOLATE: W1
POSITION IN GENOME:
CHROMOSOME/SEGMENT: S-Locus
FEATURE:
NAME/KEY: CDS
LOCATION: 1..2574
PUBLICATION INFORMATION:
AUTHORS: GORING, DAPHNE
AUTHORS: ROTHSTEIN, STEVEN J.
TITLE: THE S-LOCUS RECEPTOR KINASE GENE IN A
TITLE: SELF-INCOMPATIBLE BRASSICA NAPUS LINE ENCODES A
TITLE: FUNCTIONAL SERINE/THREONINE KINASE
RELEVANT RESIDUES IN SEQ ID NO: 1: FROM 1 TO 2749
US-08-265-628-1

Query Match 1.3%; Score 54.2; DB 1; Length 2749;
Best Local Similarity 50.8%; Pred. NO. 0.00043;
Matches 156; Conservative 0; Mismatches 148; Indels 3; Gaps 1;

QY 3778 ctccgcttgatggcgaacgcggaagaagatcgcgcctgacgctcgaaggttgcctc 3837
DB 1862 CTAGGTTAAATGGAAGACAGGATTCAACATTACCATGGTGGTGGCGAGGATTTTAT 1921
QY 3838 acccaatgatcactcgatcgcgaagatcattcaaccgctgacgtgaagaagcgaacacatcc 3897
DB 1922 ATCTTCATCAAGACTCGGTTTGTAGATATCCACAGAGATATGCAAGTAAGTAACATTT 1981
QY 3898 tcttagacgaagaattcgaagcgtgtgttgagaattcgcggttgccgaagctaatgact 3957
DB 1982 TGCTTGATATAATATGACACCAAGATCTCGGATTTTGGGATGGCCAGATCTTTCGAA 2041
QY 3958 ataaagacactcactgacgaacagca--gtccgttgacacatcgcgcacatcgcctcag 4014
DB 2042 GGGAGGAGACTGAGGATCAACCAAGAAAGGTGCGGACTTACGCTACATGCTCCGG 2101
QY 4015 aatctctcaaccggaataatctcagaagaacacgcttttcgatacgaatcatgc 4074
DB 2102 AGTACGCAATGGATGGGTATCTCGGAAAAATCAGATGTTTTCAGTTTGGAGTCATTG 2161
QY 4075 ttcctaga 4081
DB 2162 TTCTTGA 2168

RESULT 10
US-08-487-826B-13/c
; Sequence 13; Application US/08487826B
; Patent No. 5993827
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Wellem, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knodde Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach

STATE: California
COUNTRY: US
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,826B
FILING DATE: 10-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Israelson, Ned
REGISTRATION NUMBER: 29,655
REFERENCE/DOCKET NUMBER: NIH121.001CP1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 19124 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-487-826B-13

Query Match 1.3%; Score 53.2; DB 2; Length 19124;
Best Local Similarity 48.1%; Pred. NO. 0.002; Mismatches 193; Indels 1; Gaps 1;
Matches 180; Conservative 0; Mismatches 193; Indels 1; Gaps 1;

QY 1336 ttcacgtgctgcctcgcctaattggaaggttcgtgttaccctaactaccagcttc 1395
DB 15784 TTTTCTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTT 15725
QY 1396 acccgcttctcaatctccttcogattcctttatttggaaggtgaatccatcttag 1455
DB 15724 ATTTTCTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCT 15665
QY 1456 tgcctgatttgattgaagaattgctgcttcttgatttgtaagaattgagtcgc 1515
DB 15664 TTTCTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCT 15606
QY 1516 taagtacttgaatcacctgttcttcttcttcttcttcttcttcttcttcttcttctt 1575
DB 15605 TAATTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCT 15446
QY 1576 gcatgtcttcttggaagaagctggtatattgatacttaagaattgagtcgttcgac 1635
DB 15545 ATTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCT 15486
QY 1636 caaacattctctgaagaacttcattgttcttcttcttcttcttcttcttcttcttctt 1695
DB 15485 AAATTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCT 15426
QY 1696 agccttaattcga 1709
DB 15425 CTTTCTTTTAAATATA 15412

RESULT 11
US-08-581-148C-30
; Sequence 30; Application US/08581148C
; Patent No. 6060644
; GENERAL INFORMATION:
; APPLICANT: Schmable, Patrick S.
; APPLICANT: Robertson, Donald S.
; APPLICANT: Hansen, Joel D.
; APPLICANT: Nikolau, Basil J.

APPLICANT: Xu, Xiaojie
APPLICANT: Xia, Yiji
TITLE OF INVENTION: ISOLATION AND USE OF CUTICULAR LIPID
TITLE OF INVENTION: GENES
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Leydig, Volt & Mayer, Ltd.
STREET: Two Prudential Plaza, Suite 4900
CITY: Chicago
STATE: IL
COUNTRY: US
ZIP: 60601-6780
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/581,148C
FILING DATE: 29-DEC-1995
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Larcher, Carol
REGISTRATION NUMBER: 35243
REFERENCE/DOCKET NUMBER: 71380
TELEPHONE: (312) 616-5600
TELEFAX: (312) 616-5700
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 6343 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Zea mays
INDIVIDUAL ISOLATE: Z.mays Glossy2 locus DNA
US-08-581-148C-30

Query Match 1.2%; Score 49.2; DB 3; Length 6343;
Best Local Similarity 73.3%; Pred. No. 0.012;
Matches 63; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 2188 cttatttcttcaggagcttcaagtaaacactaactgcccagatctctagtaactc 2247
DB 134 cttcctgtgtttagggagctttacacacacacatagtgagacatattccttaaac 193

QY 2248 tggaaatcgacaactagtagt 2273
DB 194 agggaaactgactaacctgctcagtt 219

RESULT 12
US-08-628-417-6/C
Sequence 6, Application US/08628417
Patent No. 5627054
GENERAL INFORMATION:
APPLICANT: GILLESPIE, DAVID
TITLE OF INVENTION: COMPETITOR PRIMER ASYMMETRIC
NUMBER OF SEQUENCES: 7
NUMBER OF INVENTION: POLYMERASE CHAIN REACTION
CORRESPONDENCE ADDRESS:
ADDRESSEE: U.S. ARMY CHEMICAL AND BIOLOGICAL
STREET: OFFICE OF THE CHIEF COUNSEL (AMSCB-GC)
CITY: ABERDEEN PROVING GROUND
STATE: MARYLAND
COUNTRY: USA
ZIP: 21010-5423
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/628,417
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: BIFFONI, ULXSES J
REGISTRATION NUMBER: 39,908
REFERENCE/DOCKET NUMBER: DAM 398-94
TELEPHONE: 410-671-1158
TELEFAX: 410-671-2534
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 240 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: oligodeoxynucleotide
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-628-417-6

Query Match 1.2%; Score 47.8; DB 1; Length 240;
Best Local Similarity 50.2%; Pred. No. 0.005;
Matches 118; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

QY 1401 ttctcaattactcttcgactcttttatttgaggagtgaaatcgatctcttagtgc 1460
DB 239 ttt 180

QY 1461 gcaatttgattgaagaattgctgctcttgatattggaattgagctagta 1520
DB 179 ttt 120

QY 1521 cttgaaacacgttcttccttccttcgttcagatcaacttgatattgaagcag 1580
DB 119 ttt 60

QY 1581 ttcttgggttgaagaagctggttlatctgatatcttaagatgagctgttgac 1635
DB 59 ttt 5

RESULT 13
US-08-781-891-79
Sequence 79, Application US/08781891
Patent No. 6090620
GENERAL INFORMATION:
APPLICANT: Fu, Ying-Hui
APPLICANT: Yu, Chang-En
APPLICANT: Oshima, Junko
APPLICANT: Mulligan, John T.
APPLICANT: Schellenberg, Gerald D.
TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO
TITLE OF INVENTION: WERNER'S SYNDROME
NUMBER OF SEQUENCES: 209
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

RESULT 15
 US-08-587-680A-3
 ; Sequence 3, Application US/08587680A
 ; Patent No. 5977434
 ; GENERAL INFORMATION:
 ; APPLICANT: Ronald, Pamela C.
 ; APPLICANT: Wang, Guo-Liang
 ; APPLICANT: Song, Wen-Yuang
 ; APPLICANT: Szabo, Veronique
 ; TITLE OF INVENTION: Procedures and Materials for Confering
 ; TITLE OF INVENTION: Disease Resistance in Plants
 ; NUMBER OF SEQUENCES: 27
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Townsend and Townsend and Crew LLP
 ; STREET: Two Embarcadero Center, Eighth Floor
 ; CITY: San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94111-3834
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/587,680A
 ; FILING DATE: 17-JAN-1996

Db 1714 AATGAGTGGATGATGCGAGGCTTCAGCATATTAACCTTGTCCGAAATTTCTGGCTGT 1773
QY 1290 tgltagacacccgacgagagatctgtgtatccctacatgccaatggaagtgtgtct 1349
Db 1774 TGCATTTGAGGAGAGAGAAAGATCTGATATATGATATTAGAAAATTTAAGCTTCAT 1833
QY 1350 tctgtctcagagagagccacccgtcccaacctccgttgatgtgccaacgagagaga 1409
Db 1834 TCTTATCTCTTCGGAATAAACG---AAGCTTACGTTAAATTTGGAAGACAGATTCAC 1890
QY 1410 atccgctaggctcagctcagagtttcttacctacatgacatcgtcgcgaatc 1469
Db 1891 ATTACCAATGGTGTGCTCGAGACTTTTATCTTCATCAAGACATCAGGTTTAGATA 1950
QY 1470 attacccgtgcgtaaaagccgacaaacatccctcttaagcgaagaatccgaagcgtgtt 1529
Db 1951 ATCCACAGATATGAAGATGATGATATTTGCTGATAAATTAAGACACCAAGATC 2010
QY 1530 ggaatttcgggttggcaagcttaigtacataaagacatcacg---tgacaacagca 1586
Db 2011 TCGGATTTTGGGATGGCCAGAAATCTTTGCAAGGACGAGCTGAAGCTTAACACAGGAA 2070
QY 1587 gtccgtggcaccatcgtgtacacatcgtcccaaatatctccaacggaaaaatcttcagag 1646
Db 2071 GTGGTGGGAATTAAGGCTTACATGTCCTCCGAGTACGCAATGATGGGGATATCTCGGA 2130
QY 1647 aaacccgagcttctcgatacgaatacgtctcttaagaatacacaagcaaaagagct 1706
Db 2131 AATTCAGATGTTTTCAGTTTGGAGTCAATGTTCTTGAATTTGTTAGTGAAGAAAGAAC 2190
QY 1707 ttgcgatcgtcgtcgtcgtacgaagcagcgtcgtacgttgaactgtcgtg-qtgaagag 1765
Db 2191 AGAGGATTTCAACTTGAACACAGAAACAAATCTTAAAGCTATGATGAGATCACTGG 2250
QY 1766 atgttgaagagagaagaagctagagatgttagtgaatccagatctca----- 1813
Db 2251 ACGGAGGGAAGAGCGCTAGAAATGTTGATCCAGTCATCGATGATGATGATGATGATGAT 2310
QY 1814 --aacaaactcggagagagagagacgtggaacagtgatataagtgagcgtgtcgtatgagc 1871
Db 2311 CCAGGAACTTTCAACCAAAAGAGTTCTAAATGATACAAATTTGCTCTTGTGTGTGT 2370
QY 1872 caaggaatccacatggaagaacaaagatgtctgaagttgtgaagcgtcgtgaagagagct 1931
Db 2371 CAAGAGCTGCGAGAGCATAGACCAACGATGTCTCGTGTGTTGATGCTTTGGAAGTGA 2430
QY 1932 g 1932
Db 2431 G 2431

RESULT 3
US-07-717-331F-9
; Sequence 9, Application US/07717331F
; Patent No. 5484905
; GENERAL INFORMATION:
; APPLICANT: June Nasrallah; Michael Nasrallah; and Joshua
; APPLICANT: Stein
; TITLE OF INVENTION: A Receptor Protein Kinase Gene
; TITLE OF INVENTION: Encoded At The Self-Incompatibility Locus
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Yahwak & Associates
; STREET: 25 Skytop Drive
; CITY: Trumbull
; STATE: Connecticut
; COUNTRY: USA
; ZIP: 06611
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: Macintosh
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Microsoft Word

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07717, 331F
; FILING DATE: June 19th 1991
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: George M. Yahwak
; REGISTRATION NUMBER: 26, 824
; TELEPHONE: (203)268-1951
; TELEFAX: (203)268-1951
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2571 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-07-717-331F-9

Query Match 4.4%; Score 92.6; DB 1; Length 2571;
Best Local Similarity 49.6%; Pred. No. 3.9e-18;
Matches 323; Conservative 0; Mismatches 319; Indels 9; Gaps 3;

QY 1110 aacatttggcagaggtgtgttggaaagctctacaaggagagcgttggcagaggaact 1169
Db 1594 AACAAACTCGACAAAGGTGTTTGTGATGTTTCAAGGGAAGATCTTGACGGGAAA 1653
QY 1170 ctgtgtcgtcaagagactggaagaagcgaacatccagtgtagagctccagttcaa 1229
Db 1654 GAATTTGCAAGTAAAGGCTATCAAAAGAGTCAAGTCAAGGACAGTG---AGTTTATG 1710
QY 1230 acagaagtagaagatgaatgaatgtagcagttcaatcgaaaactgttgaatlaacagagtttc 1289
Db 1711 AATGAGTGTACCTAATTCGAGGCTTCACATATTAACCTTGTCAAGTCTTGCTGTCT 1770
QY 1290 tctatcacccgacgagagatgtgtgtatccctacatgagccaatggaagtggtct 1349
Db 1771 TGCATTTGAAGAGATGAGAAAGTGTGATATATGAGTATTTGGAAATTTAAGCTTGAT 1830
QY 1350 tctgtctcagagagagcaccgtcaacaacctccgttgatgtgccaacgaggaagaga 1409
Db 1831 TCTTATCTCTTGG---GTAAACCCGAAAGGCTAGCTAAATGGAATGAGAGATTCGAC 1887
QY 1410 atccgctagcgtcagctcgtgagttgttcttaacctaatgatcactgcgacgaagatc 1469
Db 1888 ATTACCAATGTGTGCTGCTCGAGGCTTTTATATCTTCATCAAGACTCACGGTTAGGATA 1947
QY 1470 attcacgctgacgtaaaagcagcaacatccctctagaacgaagaatcgaagcgtgtgt 1529
Db 1948 ATCCACAGAGATTTGAAAGTAAAGTAACTTTGCTTGACAAAATATATATATCCAAAGATC 2007
QY 1530 ggaatttcgggttggcaagcttaigtacataaagacatcacg---tgacaacagca 1586
Db 2008 TCGGATTTTGGGATGGCCAGAAATCTTTGCAAGGACGAGCTGAAGCAATCAAG 2067
QY 1587 gtccgtggcaccatcgtgtacacatcgtcccaaatatctccaacggaaaaatcttcgag 1646
Db 2068 GTGGTGGGAATTAAGGCTTACATGTCTCCGGAATGCGCAATGTATGGGATATTTCTCGGA 2127
QY 1647 aaacccgagcttctcgatacgaatacgtctctcagaactaactacaggaagaagagct 1706
Db 2128 AATACGATGTTTTCAGTTTGGAGTCAAGTGTGAAATTTGTTAAGTGAAGAAAGAAC 2187
QY 1707 ttgcgatcgtcgtcgtcgtacgaagcagcagcgtcgttgaactgtgactgtg 1757
Db 2188 AGAGATTTCTCAACATTTGATGACGAAAGATCTCTAAGCTATGATGTG 2238

RESULT 4
US-07-717-331F-1
; Sequence 1, Application US/07717331F
; Patent No. 5484905

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GENERAL INFORMATION:
APPLICANT: June Nasrallah; Michael Nasrallah; and Joshua
APPLICANT: Stein
TITLE OF INVENTION: A Receptor Protein Kinase Gene
TITLE OF INVENTION: Encoded At The Self-Incompatibility Locus
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Yahwak & Associates
STREET: 25 Skytop Drive
CITY: Trumbull
STATE: Connecticut
COUNTRY: USA
ZIP: 06611
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: Macintosh
OPERATING SYSTEM: MS-DOS
SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/717,331F
FILING DATE: June 19th 1991
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: George M. Yahwak
REGISTRATION NUMBER: 26,824
TELECOMMUNICATION INFORMATION:
TELEPHONE: (203)268-1951
TELEFAX: (203)268-1951
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2833 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-07-717-331F-1

Query Match          4.4%; Score 92.6; DB 1: Length 2833;
Best Local Similarity 49.6%; Pred. No. 4.1e-18;
Matches 323; Conservative 0; Mismatches 319; Indels 9; Gaps 3;

QY 1110 aacatttggcagagtggtggttgggaaagctcacaagagagcgttgcagacggaact 1169
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1594 AACCAATCGACAGAGTGTTGGATTGTTTACAGGAGAGATTACTGACGGGAA 1653
QY 1170 ctgtgtcgtcagagagcagcagcagcagcagcagcagcagcagcagcagcagc 1229
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1654 GAATTCAGTAAAGGCTATCAAGACGCTCAGTCAAGGAGCTGATG--AGTTTATG 1710
QY 1230 aacgaagtagagtgatgaatgacgttcacgacgacgacgacgacgacgacgacg 1289
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1711 AATGAGGTGACCTAATATGCGAGGCTTCACCATATTAACCTTTCAAGTTCTTGCTGT 1770
QY 1290 tctatgacacgacgacgacgacgacgacgacgacgacgacgacgacgacgacgac 1349
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1771 TGCATTAGAGAGATGAGAGATGTTGATATATGAGATTTGAAATTTAAACCTTGAT 1830
QY 1350 tctgtgtcagagagagcagcagcagcagcagcagcagcagcagcagcagcagc 1409
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1831 TCTTATCTCTTTG--GTAAACCCGAAAGGCTTAAGCTTAATTTGAGATGAGATTTCGAC 1887
QY 1410 atcgcgtagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 1469
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1888 AATACCAATGCTGTCTCGAGGCTTTTATCTTCATCAACACTCAGCGTTTAGGATA 1947
QY 1470 attcaccgtacgtlaaagacagacacacatcctcttagacgaaagatcgaagcgttgt 1529
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1948 ATCCACAGAGATTGTAAGTAAGTAAGTAAGTAAGTAAGTAAGTAAGTAAGTAAGTA 2007
QY 1530 ggaagattcgggttgcaaaagcctatgactataaagacacgaacg---tgacaacagca 1586
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Db 2008 TCGGATTTTGGGATGGCCAGGATATTTGAAAGGAGGACGAACGGAAGCTTAACACATGAA 2067
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QY 1587 gtcgtgacaccatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgat 1646
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Db 2068 GTGGTCGGAACATPACGCTACATGTCCCGGAATPACCATGTATGGAATATTTCCGGA 2127
QY 1647 aaacgcagcttctcgatagacatcagcttcttagaactacacagagagagc 1706
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2128 AATCAGATGTTTTCAGTTTGGAGTCAATGTTTGAATTTGTTAGTGAACAGAAC 2187
QY 1707 ttcgactcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgt 1757
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2188 AGAGGATTCTACCACTTGACTACGAAACGATCTCTCAACTATGATG 2238

RESULT 5
US-07-717-331F-4
Sequence 4, Application US/07717331F
Patent No. 5484905
GENERAL INFORMATION:
APPLICANT: June Nasrallah; Michael Nasrallah; and Joshua
APPLICANT: Stein
TITLE OF INVENTION: A Receptor Protein Kinase Gene
TITLE OF INVENTION: Encoded At The Self-Incompatibility Locus
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Yahwak & Associates
STREET: 25 Skytop Drive
CITY: Trumbull
STATE: Connecticut
COUNTRY: USA
ZIP: 06611
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: Macintosh
OPERATING SYSTEM: MS-DOS
SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/717,331F
FILING DATE: June 19th 1991
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: George M. Yahwak
REGISTRATION NUMBER: 26,824
TELECOMMUNICATION INFORMATION:
TELEPHONE: (203)268-1951
TELEFAX: (203)268-1951
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 2749 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-07-717-331F-4

Query Match          4.4%; Score 92; DB 1: Length 2749;
Best Local Similarity 50.7%; Pred. No. 6.2e-18;
Matches 302; Conservative 0; Mismatches 285; Indels 9; Gaps 3;

QY 1110 aacatttggcagagtggtggttgggaaagctcacaagagagcgttgcagacggaact 1169
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1612 AACCAAGTCGAAAGGCTGTTTGGATTGTTTACAGGAGAGTTAGTTAGCGGCA 1671
QY 1170 ctgtgtcgtcagagagactgaagagagagagagagagagagagagagagagagag 1229
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1672 GAATTCGAGTGAAGAGACTATCGAATGTCAGCTCAAGTACCGATG--AGTTCAATG 1728
QY 1230 aacgaagtagagatgaatgaatgacgttcacgacgacgacgacgacgacgacgacg 1289
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1729 AACGAGATTAGCTAATGCAAAAGCTTCACCCATTAATCTTGTCCGACTTCTTGCTGT 1788
QY 1290 tctatgacacgacgacgacgacgacgacgacgacgacgacgacgacgacgacgac 1349
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; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: join(1..2676, 3520..3918)
; OTHER INFORMATION: /product= "Xa-21"
US-08-587-680A-3

Query Match      3.5%; Score 73.8; DB 2; Length 3921;
Best Local Similarity 54.6%; Pred. No. 3e-12;
Matches 147; Conservative 0; Mismatches 122; Indels 0; Gaps 0;

Qy 483 tatttgagacttacagtaacacataactgcccgaattccctgaatcttggaaatcgtg 542
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1138 TTTCTTGCACTTGAAATTGAATAGATCACAGAGACATTCCGAAGCATTTGGCAATCTT 1197
Qy 543 acaaatctgtagtcttgatctcttacttaaacagctctccggtctctatccggaatca 602
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1198 ATTGGCTTACACATCTCTATCTCTGCACACACAAATTTGAGAGGCTCTTCCATCATCG 1257
Qy 603 ttgggaagacttcaagcttgagattctccggtcttaacacacagctctcaactgggtca 662
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Db 1258 TTGGCAGAGCTTAAAACTTAGCATTTACTGCGCTACGAAACAACTTGAAGCGGTTGCG 1317
Qy 663 attcctatgtaactgacacataattactacccttcaagtgtagatcatcaataacaga 722
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1318 ATCCCGTTGGCCATAGCAATCTTACTGAACTTAATATCTTACTGCGGACCAACANA 1377
Qy 723 ctctctggtcagttcctcgacaatggctc 751
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Db 1378 TTCAGTGGTTGGATTACCATACACACTCTC 1406

RESULT 11
US-08-475-891A-3
; Sequence 3, Application US/08475891A
; Patent No. 5859339
; GENERAL INFORMATION:
; APPLICANT: Ronald, Pamela C.
; APPLICANT: Wang, Guo-Liang
; TITLE OF INVENTION: Procedures and Materials for Conferring
; TITLE OF INVENTION: Disease Resistance in Plants
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/475,891A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/373,375
; FILING DATE: 17-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Bastian, Kevin L.
; REGISTRATION NUMBER: 34,774
; REFERENCE/DOCKET NUMBER: 02370-058910US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5992 base pairs
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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: join(512..3149, 3993..4393)
; OTHER INFORMATION: /product= "RRK-B"
; OTHER INFORMATION: /note= "Xa21 Xanthomonas spp. disease
; OTHER INFORMATION: resistance gene RRK-B from rice (Oryza
; OTHER INFORMATION: sativa)"
US-08-475-891A-3

Query Match      3.5%; Score 73.8; DB 2; Length 5992;
Best Local Similarity 54.6%; Pred. No. 3.9e-12;
Matches 147; Conservative 0; Mismatches 122; Indels 0; Gaps 0;

Qy 483 tatttgagacttcaagtaacacataactgcccgaattccctgaatcttggaaatcgtg 542
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Qy 723 ctctctggtcagttcctcgacaatggctc 751
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Db 1889 TTCAGTGGTTGGATTACCATACACACTCTC 1917

RESULT 12
US-08-475-891A-1
; Sequence 1, Application US/08475891A
; Patent No. 5859339
; GENERAL INFORMATION:
; APPLICANT: Ronald, Pamela C.
; APPLICANT: Wang, Guo-Liang
; TITLE OF INVENTION: Procedures and Materials for Conferring
; TITLE OF INVENTION: Disease Resistance in Plants
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/475,891A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/373,375
; FILING DATE: 17-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Bastian, Kevin L.
; REGISTRATION NUMBER: 34,774
; REFERENCE/DOCKET NUMBER: 02370-058910US
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6256 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: join(1648..4383, 5178..5513)
OTHER INFORMATION: /product="RRK-F"
OTHER INFORMATION: /note="Xa21 Xanthomonas spp. disease
OTHER INFORMATION: resistance gene RRK-F from rice (Oryza
OTHER INFORMATION: sativa)"
US-08-475-891A-1

Query Match 3.4%; Score 70.6; DB 2; Length 6256;
Best Local Similarity 53.9%; Pred. No. 3.9e-11;
Matches 145; Conservative 0; Mismatches 124; Indels 0; Gaps 0;

QY 483 tatttgagagcttaccagtaacaacactgagcccgattcctagtaattcctggaatctg 542
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QY 723 ctctctggttcagttcctcgaatgctc 751
DB 3046 TTCAGTGGTTGGATACCATACACACTCTC 3074

Result 13
US-08-567-375-1
Sequence 1, Application US/08567375
Patent No. 5952485
GENERAL INFORMATION:
APPLICANT: Ronald, Pamela C.
APPLICANT: Wang, Guo-Yuang
APPLICANT: Song, Wen-Yuang
APPLICANT: Szabo, Veronique
TITLE OF INVENTION: Procedures and Materials for Confering
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/567,375
FILING DATE: 04-DEC-1995
CLASSIFICATION: 800

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/004,645
FILING DATE: 29-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/475,891
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/373,375
FILING DATE: 17-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Bastian, Kevin L.
REGISTRATION NUMBER: 34,774
REFERENCE/DOCKET NUMBER: 023070-058930
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6256 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: join(1648..4383, 5178..5513)
OTHER INFORMATION: /product="RRK-F"
OTHER INFORMATION: /note="Xa21 Xanthomonas spp. disease
OTHER INFORMATION: resistance gene RRK-F from rice
OTHER INFORMATION: (Oryza sativa)"
US-08-567-375-1

Query Match 3.4%; Score 70.6; DB 2; Length 6256;
Best Local Similarity 53.9%; Pred. No. 3.9e-11;
Matches 145; Conservative 0; Mismatches 124; Indels 0; Gaps 0;

QY 483 tatttgagagcttaccagtaacaacactgagcccgattcctagtaattcctggaatctg 542
DB 2806 TTCTTGGCAGCTTGAATTAAGATCAAGAGAGCATTCGAAGGATATTGGCATCTT 2865
QY 543 acaacttagtgagtttgattccttaacacagctctccggtccctatccggaatca 602
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DB 2926 TTGGGAGGCTTAGAAGCTTAGGCACTCTAGTCCCTTAGAAGAACACTTGAGCGTTTCG 2985
QY 663 attcctatgtcactgaccataatactaccctcaagtggttagatactatacaataacaga 722
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DB 3046 TTCAGTGGTTGGATACCATACACACTCTC 3074

Result 14
US-08-587-680A-1
Sequence 1, Application US/08587680A
Patent No. 5977434
GENERAL INFORMATION:
APPLICANT: Ronald, Pamela C.
APPLICANT: Wang, Guo-Yuang
APPLICANT: Song, Wen-Yuang
APPLICANT: Szabo, Veronique
TITLE OF INVENTION: Procedures and Materials for Confering
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/587,680A
FILING DATE: 17-JAN-1996
CLASSIFICATION: 800
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/373,375
FILING DATE: 17-JAN-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/475,891
FILING DATE: 07-JUN-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 60/004,645
FILING DATE: 29-SEP-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/567,375
FILING DATE: 04-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: Bastian, Kevin L.
REGISTRATION NUMBER: 34,774
REFERENCE/DOCKET NUMBER: 023070-058940US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6256 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: join(1648..4383, 5178..5513)
OTHER INFORMATION: /product= "RRK-F"
OTHER INFORMATION: /note= "Xa21 Xanthomonas spp. disease
OTHER INFORMATION: resistance gene RRK-F from rice (Oryza
OTHER INFORMATION: sativa)"
US-08-587-680A-1

Query Match 3.4%; Score 70.6; DB 2; Length 6256;
Best Local Similarity 53.9%; Pred. No. 3.9e-11;
Matches 145; Conservative 0; Mismatches 124; Indels 0; Gaps 0;
QY 483 tatttgagcttaccagtaaacacataactgcccgaattccctagtaattcttggaatctg 542
DB 2806 TTCTGTGACGTTGATTGAATTAAGATGACAGAGCATTCGCAAGATATTGGCAATCTT 2865
QY 543 acaactagtgtgagtttgagtttacttaaacagcttcccggttccatttcggaatca 602
DB 2866 ATTGCGTTTACAACTCTCTCTCTGCAAGCAAAATTTCAGAGGTCACCTTCATCTCG 2925
QY 603 ttgggaagcttcaagctgagattctccggttcaacaacagcttccactggtca 662
DB 2926 TTGGGACGAGCTTAAAGACTTATGCGCTTACGCAAAACACTTGAAGGCTTCG 2985
QY 663 attctatgttactgacacatatactacccttcaagtgtagatctataaataacaga 722
DB 2986 ATCCCATGGCGCATAGAGAAATCTTAGACTTAATATTACTGCTGCGACCAACAA 3045
QY 723 ctctctgttcaagttctctgacaatgctc 751
DB 3046 TTCAAGTGTGATGATACCATACACACTCTC 3074

RESULT 15
US-08-030-096-5/c
Sequence 5, Application US/08030096
Patent No. 5426041
GENERAL INFORMATION:
APPLICANT: Fabijanski, Steven F.
TITLE OF INVENTION: BINARY CRYPTOCYTOTONIC METHOD OF HYBRID
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington, D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/030,096
FILING DATE: 22-MAR-1993
CLASSIFICATION: 800
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/556,917
FILING DATE: 20-JUL-1990
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: PCT/CA91/00255
FILING DATE: 22-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 33229/164/PIHI
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 3641 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: join(854..1105, 1266..2375, 2463..2779)
US-08-030-096-5
Query Match 3.3%; Score 68; DB 1; Length 3641;
Best Local Similarity 51.5%; Pred. No. 1.7e-10;
Matches 235; Conservative 0; Mismatches 210; Indels 11; Gaps 3;
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DB 3519 TTACGAGAGTTTCAGCTGACGACGCAAGAGATGTGATTAAGCTAAGGGGTTATTAATCT 3460
QY 1682 agacatcaatcaagcgaagagagcttgatctcggtcagcttaagcgaagcagct 1741
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Qy 1802 tccagatcttcaaac---aaactacgagagagagaaactggaacaagtgatlaacaagtggc 1858
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